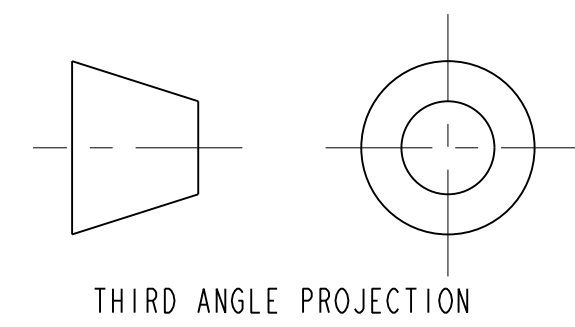
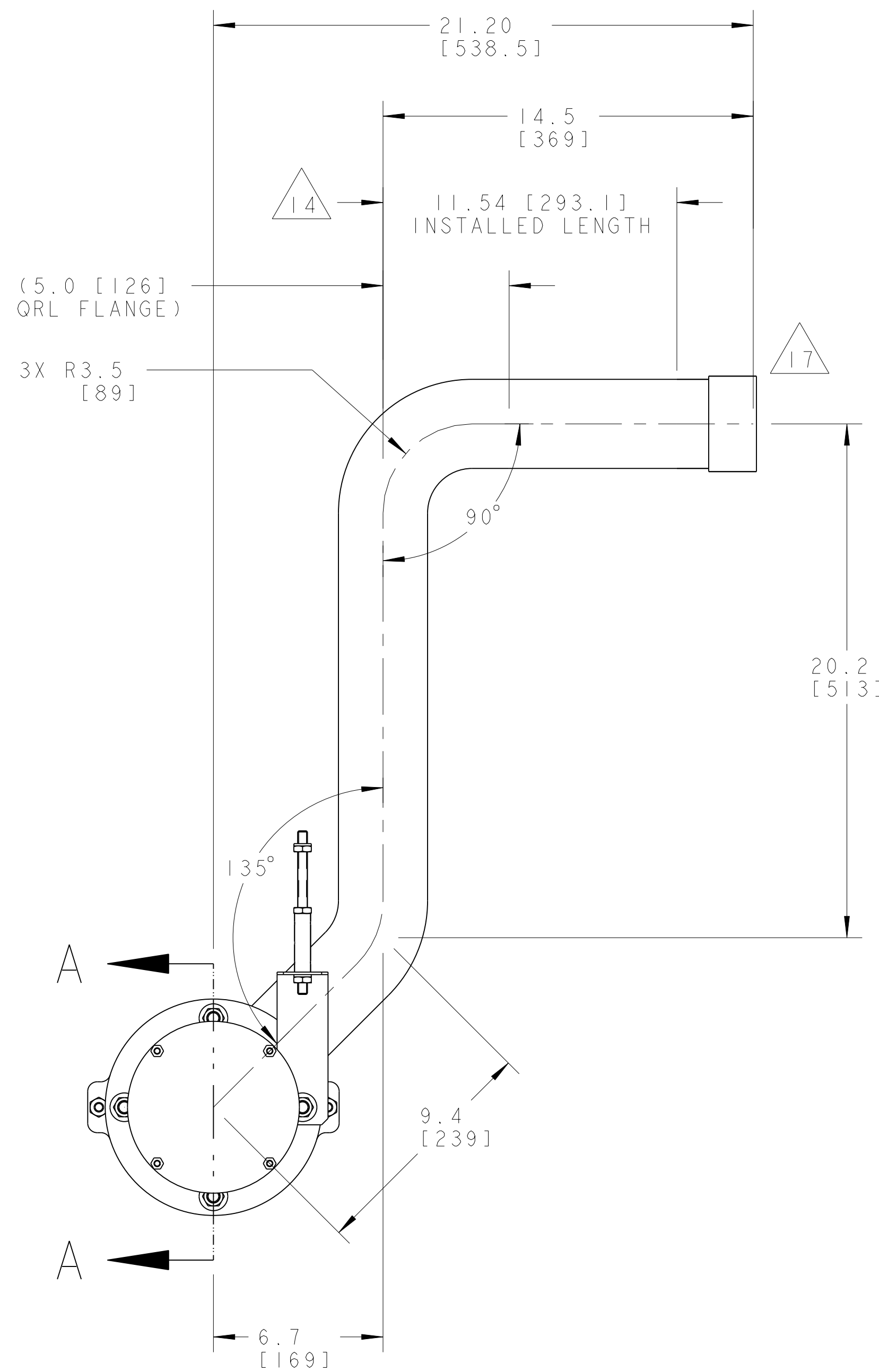
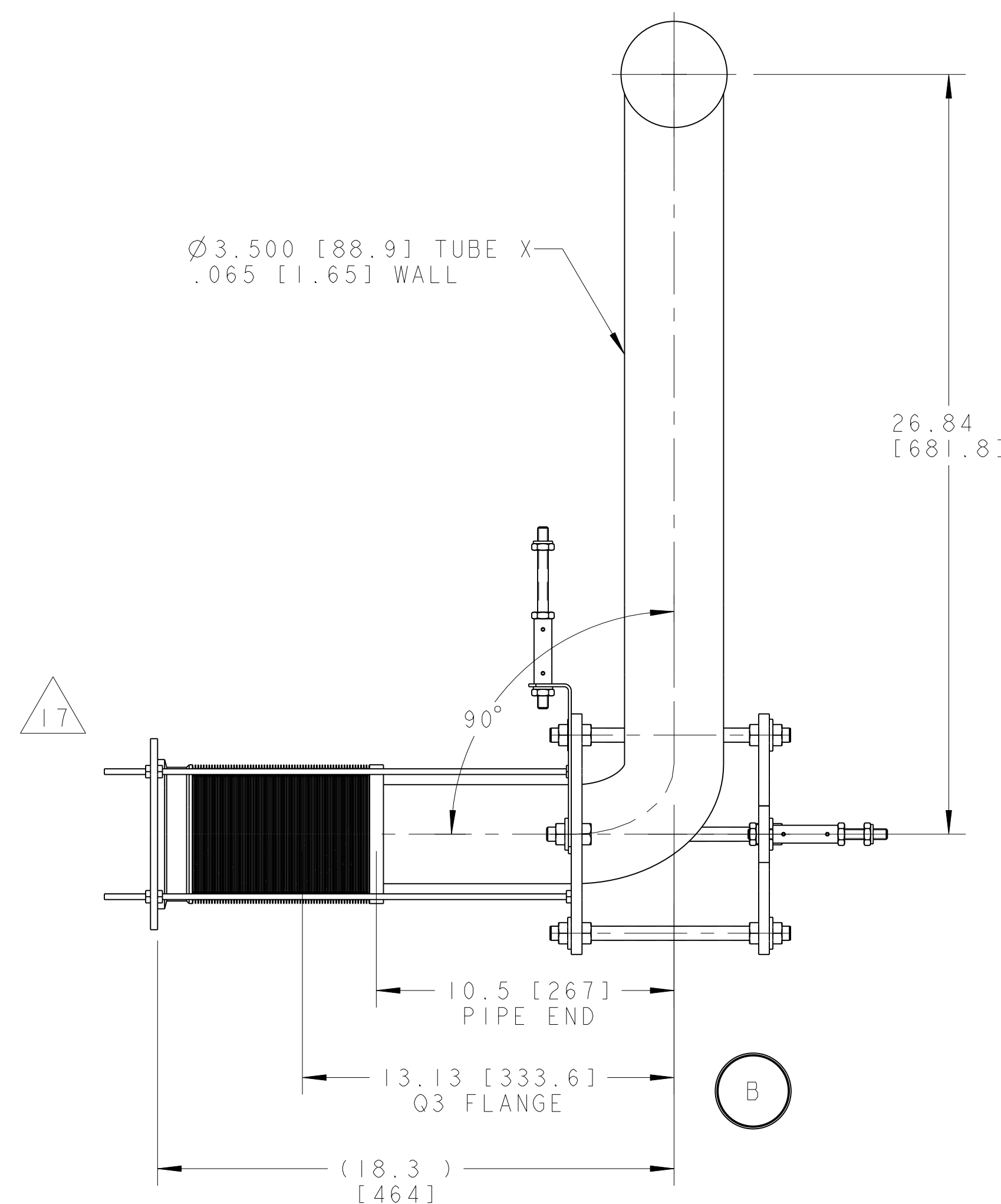
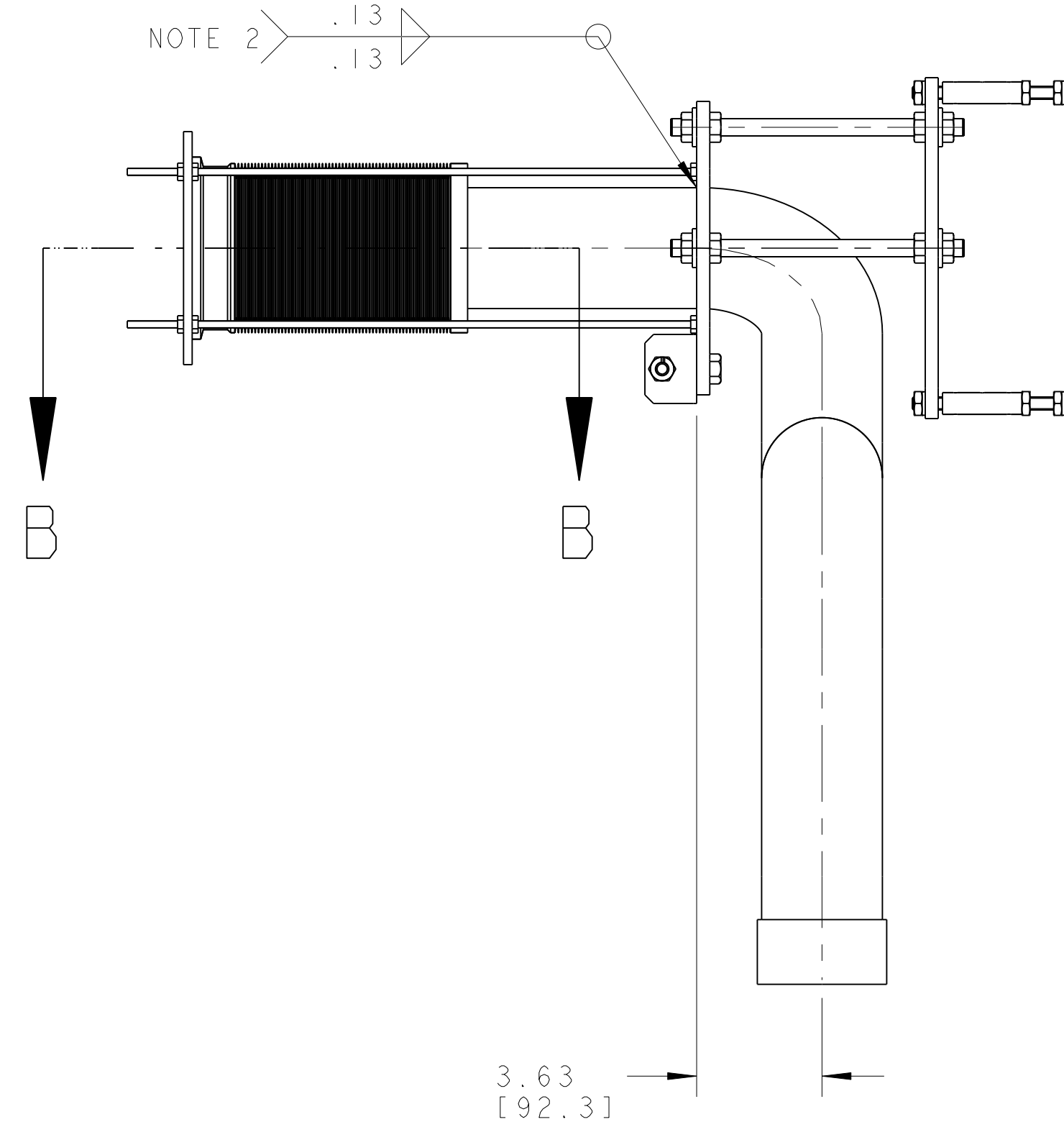



1. THIS IS A CRYOGENIC VACUUM COMPONENT.
2. WELDING PROCEDURE: PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
3. CLEANING PROCEDURE : PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
4. PACKAGING AND STORAGE PROCEDURE OF THE COMPONENTS:
PER VENDOR SPECIFICATION WITH LBNL APPROVAL.
5. DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982.
UNITS ARE IN INCHES [mm] UNLESS OTHERWISE SPECIFIED.
6. USE OF SULFUR OR SILICONE BEARING OILS, LUBRICANTS,
OR COOLANTS ARE STRICTLY PROHIBITED.
7. USE OF RESIN OR RUBBER BONDED ABRASIVES UNDER POWER
IS STRICTLY PROHIBITED. USE VITREOUS BONDED ABRASIVES
ONLY.
8. VENDOR SUGGESTED CHANGES TO WELD PREPS; SUBJECT TO
LBNL APPROVAL.
9. FITTINGS MAY BE USED IN PLACE OF BENDS; SUBJECT TO LBNL APPROVAL.
10. VENDOR SUGGESTED CHANGES TO TOLERANCES TO FACILITATE
FABRICATION OR ASSEMBLY; SUBJECT TO LBNL APPROVAL.
11. REMOVE ALL THE BURRS AND REAM THE ENDS FOR CIRCULARITY
AND CLEAN ENDS.
12. TUBE END SURFACE MUST BE PERPENDICULAR TO THE TUBE AXIS
WITHIN $\pm .010$.
13. PERFORM ACCEPTANCE TESTS PER LBNL SPECIFICATION M989. (B)
14. A MARK DESIGNATING THE INSTALLED LENGTH WILL BE UTILIZED DURING
FINAL INSTALLATION OF THE FEEDBOX ASSEMBLY. MARK, SCRIBE OR ETCH
THIS LOCATION IN A PERMANENT MANNER, SUBJECT TO LBNL APPROVAL,
TO AN ACCURACY OF ± 0.063 .
15. PROVIDE A MINIMUM LENGTH OF 4.0" OF STRAIGHT, SMOOTH PIPE
ON THE INDICATED SIDE OF THE INSTALLED LENGTH MARK FOR
PIPE WELDING DURING FINAL INSTALLATION OF THE FEEDBOX
ASSEMBLY.
16. PIPE MUST BE STRAIGHT AND SMOOTH (NO BUMPS) FOR 1.5" ON EITHER SIDE
OF THE CENTER-PLANE OF THE SUPPORT.
17. CAP BOTH ENDS OF PIPE TO FACILITATE ACCEPTANCE TESTS. (B)

[illegible]

UNLESS OTHERWISE SPECIFIED		SHOP ORDERS		SER NO
TOLERANCES		REC NO	NO	NO
R.X ± 0.1	FRAC. ± 1/64"			ISSD
R.XX ± 0.03	Angles ± 1.00°			ISSD
R.XXX ± 0.010	FINISH 1/32" $\sqrt{R_{a}}$			ISSD
DO NOT SCALE PRINT		SOURCE -		DATE
TOLERANCES CLASS 2		FACILITY TAG		
CHAMFER ENDS OF ALL SERIAL TRENDS 30°		PROJECT N/A		
CUT EDGES, 1.5 THREAD RADIUS ON MACHINED THREADS		PROJECT N/A		
BREAK TOP, 1.5 THREAD RADIUS ON MACHINED THREADS		PROJECT N/A		
REMARKS: DIMENSIONS REFERENCE TO LOOSE SCALE		BY S.W. NIXON		DATE 13-Mar-0
IN ACCORDANCE WITH ASME Y14.5-1994		S. V. SIKROTEK		DATE 25-Oct-0
		APP BY Jon Zbasnik/D. OSHATE		DATE 16-Oct-0

ERNEST ORLANDO LAWRENCE BERKELEY NATIONAL LABORATORY UNIVERSITY OF CALIFORNIA - BERKELEY					
LHC IR FEEDBOX CRYOGENICS PIPE WELDMENT, XB					
MICROFILMED:		DWG. TYPE: ASSEM		SHOWN ON: SCALE: 1/4	
PATENT CLEAR:		DESIGN ACT. NO. Z5LC2		CATEGORY CODE: LH2003	
				DWG. NO.: 2515526	
				SIZE: REV.	
				SHEET 1 OF 1	

7	-	1	1/4" PLATE	SS 304L
6	-	1	TUBE, PER ASTM A269	SS 304L
5	-	1	BELLOWS, FINAL# 5520-MB-390073	SS 300, SERIES
4	-	1	END FLANGE, FINAL# MC-390254	-
3	-	12	1/4-20 HEX NUT	-
2	-	4	1/4-20 THREADED ROD	-
1	25M923	1	XB THRUST PLATE ASSY	-
ITEM	PART NO	QTY	DESCRIPTION	MATERIAL